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(54) Title: **DIRECTING CELLS TO TARGET TISSUES OR ORGANS**

(57) Abstract: The invention provides for methods of directing cells to a damaged tissue or organ in an individual, and further provides for methods of monitoring such cells in the individual. The invention also provides compositions for tagging cells such that the cells can be directed to the damaged tissue or organ. In addition, the invention provides for isolated stem cells that have been tagged such that the tagged cells can be directed to a damaged tissue or organ.

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